Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/19/2020 10:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125240	0	4.09	125134	3.97
Blue	F	SSC	125000	125518	0	2.91	126148	3.04
Blue	E	FITC	15892	15622	-2	2.97	341	20.83
Blue	D	PE	29999	29483	-2	2.18	640	15.68
Blue	B	PerCP-Cy5-5	43732	43481	-1	3.77	1161	21.50
Blue	A	PE-Cy7	30845	30657	-1	6.31	578	42.67
Red	C	APC	46112	45077	-3	2.54	1588	12.17
Red	A	APC-Cy7	30458	30106	-2	2.48	791	11.76
Violet	B	V450	7918	7523	-5	4.28	436	13.20
Violet	A	V500	32171	30897	-4	4.07	724	10.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16841	21.08	636	15	N/A	N/A	Pass
Blue	F	SSC	57406	2.37	576	17	N/A	N/A	Pass
Blue	E	FITC	60	65.51	551	8	0.0178	90	Pass
Blue	D	PE	133	51.50	557	9	0.1352	229	Pass
Blue	B	PerCP-Cy5-5	214	51.70	664	8	0.0080	30	Pass
Blue	A	PE-Cy7	105	108.72	706	8	0.0102	22	Pass
Red	C	APC	380	24.94	585	1	0.0241	110	Pass
Red	A	APC-Cy7	174	28.24	557	1	0.0058	942	Pass
Violet	B	V450	65	58.41	461	3	0.0441	1648	Pass
Violet	A	V500	108	32.64	477	3	0.0250	766	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.00	-32.13	1.00
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	16.59	13.60 - 20.40	N/A	N/A	29.21	30.10	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9745

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments